FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

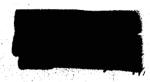
Date of Report: January 19, 1993 Date Received: January 14, 1993

Project: 7238, Metro Acid Tanks, PO #M27311

RESULTS FROM THE ANALYSIS OF ACID SAMPLES FOR CADMIUM, CHROMIUM, LEAD, COPPER, NICKEL AND ZINC Results Reported as µg/g (ppm)

Sample ID	<u>Cadmium</u>	Chromium	<u>Lead</u>	<u>Copper</u>	<u>Nickel</u>	Zinc
M27311A	1.7	17,000	34	6,900	18,000	61
M27311B	2.8	33,000	22	3,200	27,000	150
Quality Assurance						
Blank	<0.1	<0.1	<0.1		1 <0.1	. <0.1
M27311A (Duplicate)	1.7	17,000	34	6,800	18,000	62
M27311A (Matrix Spike) % Recovery	78%	ai	75%	ai	ai	73%
M27311A (Matrix Spike Dup: % Recovery	licate) 78%	ai	75%	ai	ai	67%
Spike Blank % Recovery	111%	115%	111%	110%	116%	113%
Spike Level	50	50	100	50	100	50

ai The amount spiked was insufficient to give meaningful recovery data.



FRIEDMAN & BRUYA, INC. 3008-B 16th Avenue West Seattle, WA 98119

SAMPLE CHAIN OF CUSTODY

Send Report To: AJASLAN	COPPER WO	nz ks	Contact	Greal	Thong	50~i	
Address 6/8 HAVE	$\frac{1000}{100}$						
hone # (206) 623-5	812 × 008		_ Date	1/14/93			
SITE NO.	PROJECT NAME			PURCHA	ASE ORDER #		
7278	m 27311						
SAMPLERS (signature)	•	& TAKS		PROJEC	CT LOCATION		
Smoll S. Gran				#			
REMARKS				SAMPLE	E DISPOSAL INFO	ORM.	
	☐ Dispose after 30 days Return Samples ☐ Call for Instructions						
SAMPLE #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested		
m 27311 A	1/14/53 10:27	Nitric Acid	1		ed er e	u Ni	Pb 2~
(small tank)							
					<i>.</i>		

							:
	1,7 /	- GEAL			<u> </u>		
m 27311 B	1/14/53 10:27	Niteic Acid	-	36460	ed ce cu	N, P	8 2N
(LANGE)							
							····
			 		-		

							·····
			1				······································
			 				
SIGNATURE	PRINT NAME		COMP	ANY	Da	ite	Time
Rutto wished by G. Ja Genel Thangson		Alask	an Copper	1/	1/53	2:14 Pm	
Received by:		^	- ,,,,,	10	1/0	1/00	<u> </u>
SCHOOL STATE	2201	Analon	173	> D T	1 111	179く レ	2) [\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Relinquished by:	J) Jeff	Anderson	₩	2BIL	1/1	1/93	2:15 th

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3008-B 16th Avenue West Seattle, WA 98119 FAX: (206) 283-5044

January 19, 1993

Gerry Thompson, Project Leader Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on January 14, 1993 from Project 7238, Metro Acid Tanks, PO #M27311.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Singerely,

Mark Z Perin

Chemist

MZP/dp

Enclosures